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BIBLIOGRAPHIC GUIDE FOR ADVANCED PLACEMENT, CHEMISTRY.

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NEW YORK STATE EDUCATION DEPT., ALBANY

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REFERENCES AND AUDIOVISUAL MATERIALS ARE LISTED IN THIS GUIDE FOR SECONDARY SCHOOL ADVANCED PLACEMENT CHEMISTRY TEACHERS AND LIBRARIANS. BOOKS, PERIODICALS, WALL CHARTS, FILMS, AND FILMSTRIPS ARE INCLUDED. CITATIONS ARE COMPLETE AND INCLUDE INFORMATION PERTINENT TO THE ACQUISITION OF THE MATERIALS. (AG)

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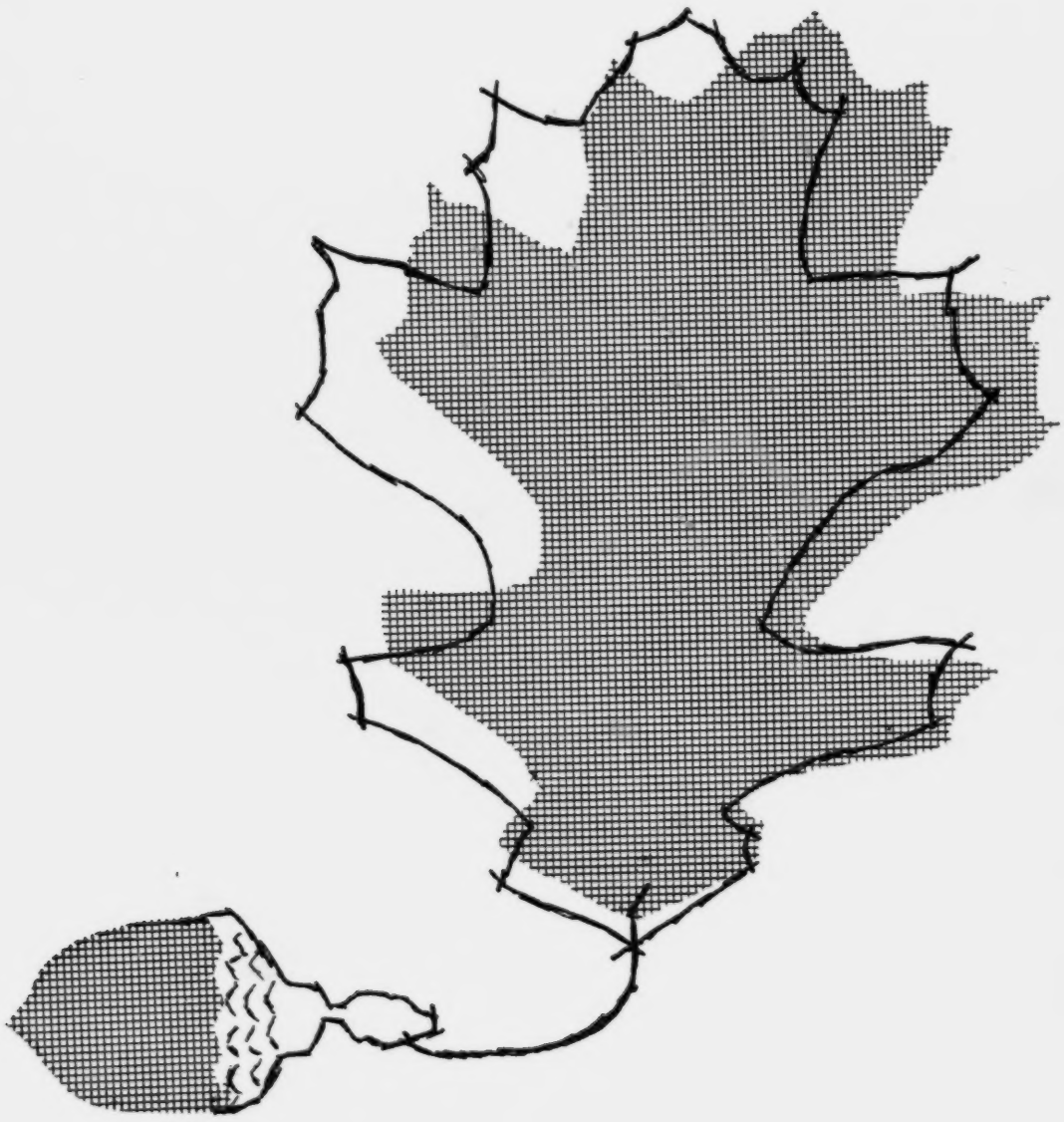

CHEMISTRY

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Foreword

The provision of adequate printed and published materials in support of Advanced Placement programs in the secondary schools of New York State is considered of paramount importance by the Education Department. The quality of the instructional program is directly related to an abundance of well-selected books and other materials which satisfy the immediate research and reference needs of AP pupils and teachers and which are adequately challenging in terms of reading and content level.

Because of the complexity of modern educational programs and the constantly-growing number of books and other published materials available, the proper selection of materials for schools and libraries has become an increasingly difficult task. It is readily apparent that bibliographic aids, carefully and selectively compiled, are necessary to assist teachers and librarians in choosing appropriate materials for AP programs. This bibliography is an outgrowth of that need.

The series of bibliographic guides were developed under the direction of Leonard T. Kreisman, formerly, Associate, Bureau of Teacher Education, with the assistance of: Carol Byerly, College Entrance Examination Board; Robert Kelley, Supervisor, Education for the Gifted; Helen Rice, Curriculum Coordinator, Irondequoit School System; Lillian Shapiro, Board of Education, New York City; Frank A. Stevens, Chief, Bureau of School Libraries; Esther M. Swanker, formerly Library Coordinator, Schenectady Public Schools; and Alden Vaughan, Columbia University.

This bibliographic guide was prepared for the Department in the spring of 1965 by Harry Williams, chemistry teacher, and Clyde King, librarian, both of the Horace Mann school, New York City, and reviewed in final form by Hugh B. Templeton, Chief, Bureau of Science Education.

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4. Textbook quantities of reference books cannot be approved under Title III.

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ESEA Title II provides for the improvement of selection methods and the purchase of printed and published materials in support of special program needs. The materials listed in this bibliography are, therefore, eligible for purchase with Title II funds and satisfy the high priority of Title II for special educational programs. These materials are highly recommended for your consideration.

For further information on ESEA Title II and NDEA Title III, contact the appropriate program coordinator at the New York State Education Department. For additional copies of this bibliography or for the other ten AP areas contact the Publications Distribution Unit, New York State Education Department, Albany, New York 12224.

ADVANCED PLACEMENT BIBLIOGRAPHIC GUIDE: CHEMISTRY

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AUDIO VISUAL

CHARTS

Chart of the Atoms. No. 4854. Welch Scientific Co., 7322 N. Lindner Ave., Skokie, Ill. 60076. $7.50.

CHARTS

Electron Energy Levels Chart. No. 4837. Welch. 29" x 42". $7.00.

Oxidation-Reduction Half-Reactions Chart. No. 4843. Welch. 42" x 58". $5.00

Relative Sizes of Atoms and Ions in the Periodic Table. No. 4844. Welch. 42" x 58". $5.00. Listed as Chart of Atomic Sizes.

FILMS AND FILMSTRIPS

Acid-Base Indicators. Film. 19 minutes. CHEM Study. Purchase: Color. $150.00. Day rental: $6.00, 3 school days.

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Introduction to Reaction Kinetics. Film. 13 minutes. CHEM Study. Purchase: Color. $105.00. Day rental: $6.00, 3 school days.

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Mass of the Electron. Film. 18 minutes. PSSC. Purchase: B & W. $90.00. Day rental: $6.00, 3 school days.

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Millikan Experiment. Film. 30 minutes. PSSC. Purchase: B & W. $150.00. Day rental: $6.00, 3 school days.

Molecular Motions. Film. 13 minutes. CHEM Study. Purchase: Color. $105.00. Day rental: $6.00, 3 school days.

Molecular Spectroscopy. Film. 23 minutes. CHEM Study. Purchase: Color. $165.00. Day rental: $6.00, 3 school days.

Nitric Acid. Film. 18 minutes. CHEM Study. Purchase: Color. $135.00. Day rental: $6.00, 3 school days.

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Synthesis of an Organic Compound. Film. 22 minutes. CHEM Study. Purchase: Color. $165.00. Day rental: $6.00, 3 school days.

Transuranium Elements. Film. 23 minutes. CHEM Study. Purchase: Color. $180.00. Day rental: $6.00, 3 school days.

Vanadium--A Transition Element. Film. 22 minutes. CHEM Study. Purchase: Color. $165.00. Day rental: $6.00, 3 school days.

Vibration of Molecules. Film. 12 minutes. CHEM Study. Purchase: Color. $90.00. Day rental: $6.00, 3 school days.

Second Purchase

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